

## Bergen County, New Jersey

### DuuB—Dunellen-Urban land complex, 3 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* b0rt

*Elevation:* 50 to 150 feet

*Mean annual precipitation:* 30 to 64 inches

*Mean annual air temperature:* 46 to 79 degrees F

*Frost-free period:* 131 to 178 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Dunellen and similar soils:* 60 percent

*Urban land, dunellen substratum:* 30 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Dunellen

##### Setting

*Landform:* Outwash plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Coarse-loamy outwash derived from sandstone

##### Typical profile

*A1 - 0 to 8 inches:* sandy loam

*A2 - 8 to 14 inches:* sandy loam

*BA - 14 to 20 inches:* sandy loam

*Bt - 20 to 31 inches:* sandy loam

*C - 31 to 42 inches:* sandy loam

*2C - 42 to 70 inches:* stratified gravelly sand to sand to loamy sand

##### Properties and qualities

*Slope:* 3 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 5.95 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water storage in profile:* Moderate (about 7.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* A

## **Description of Urban Land, Dunellen Substratum**

### **Setting**

*Landform:* Outwash plains

*Landform position (three-dimensional):* Lower third of mountainflank

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Surface covered by pavement, concrete, buildings, and other structures underlain by disturbed and natural soil material

### **Typical profile**

*H1 - 0 to 12 inches:* material

*H2 - 12 to 31 inches:* sandy loam

*2C - 31 to 42 inches:* sandy loam

*3C - 42 to 70 inches:* loamy sand

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

## **Minor Components**

### **Udorthents, dunellen substratum**

*Percent of map unit:* 10 percent

*Landform:* Outwash plains

*Landform position (three-dimensional):* Lower third of mountainflank

*Down-slope shape:* Linear

*Across-slope shape:* Linear

## **Data Source Information**

Soil Survey Area: Bergen County, New Jersey

Survey Area Data: Version 11, Sep 24, 2014